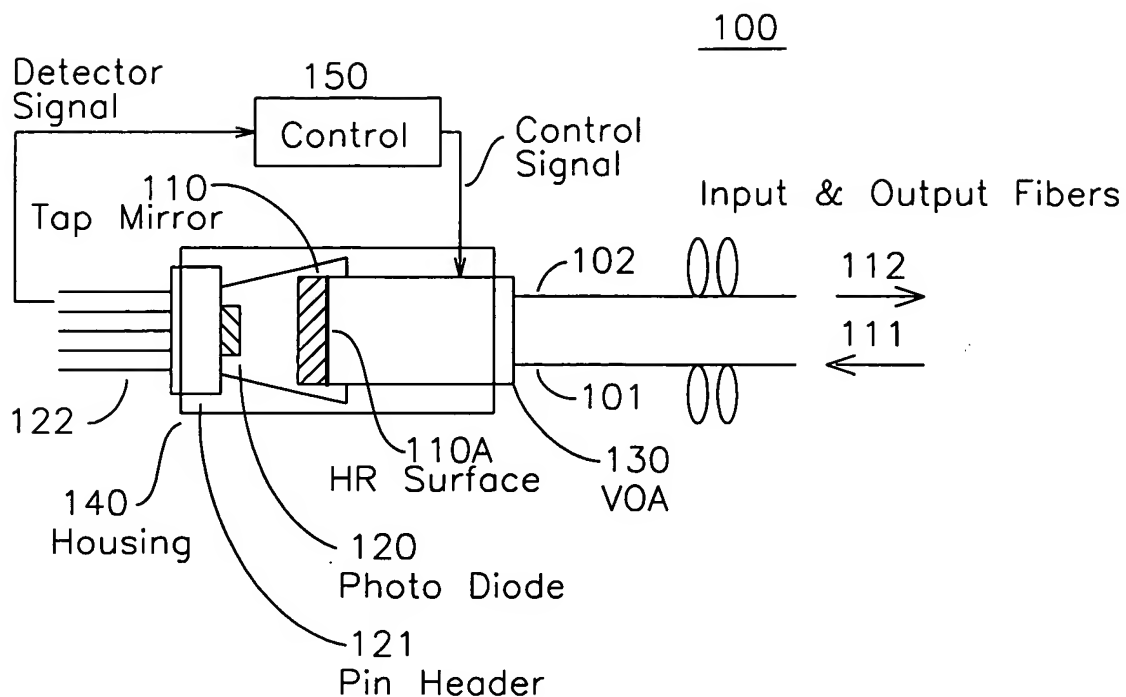
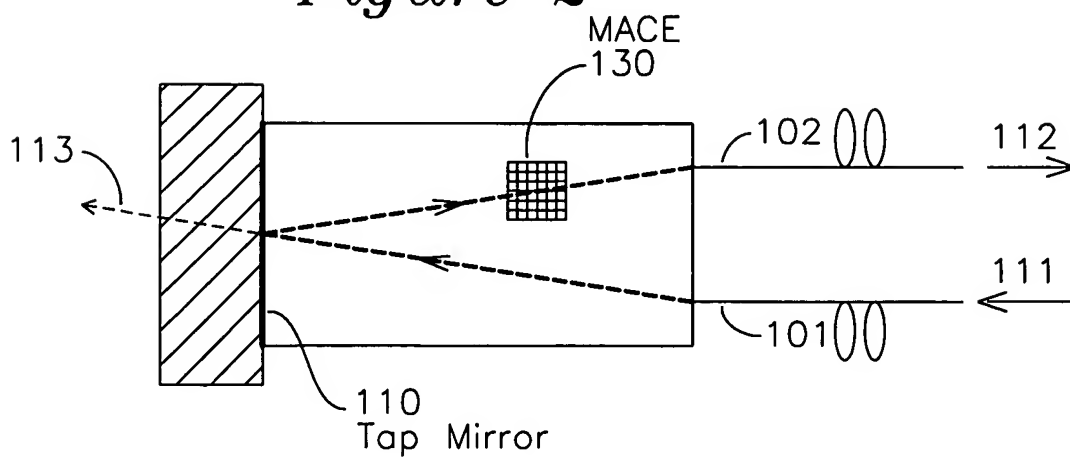




*Figure 1*



*Figure 2*



*Figure 3*

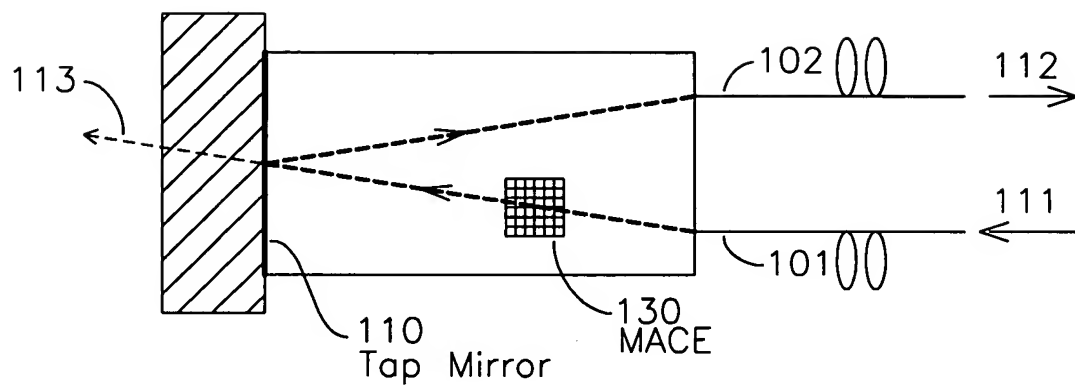
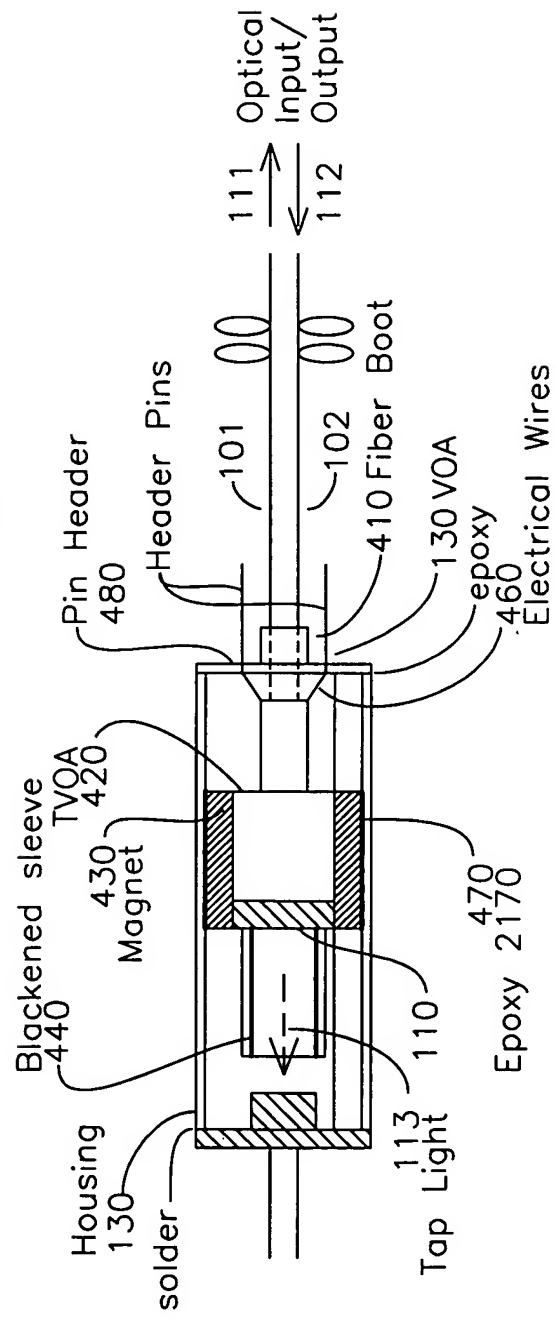


Figure 4

400



*Figure 5*

TVOA Core

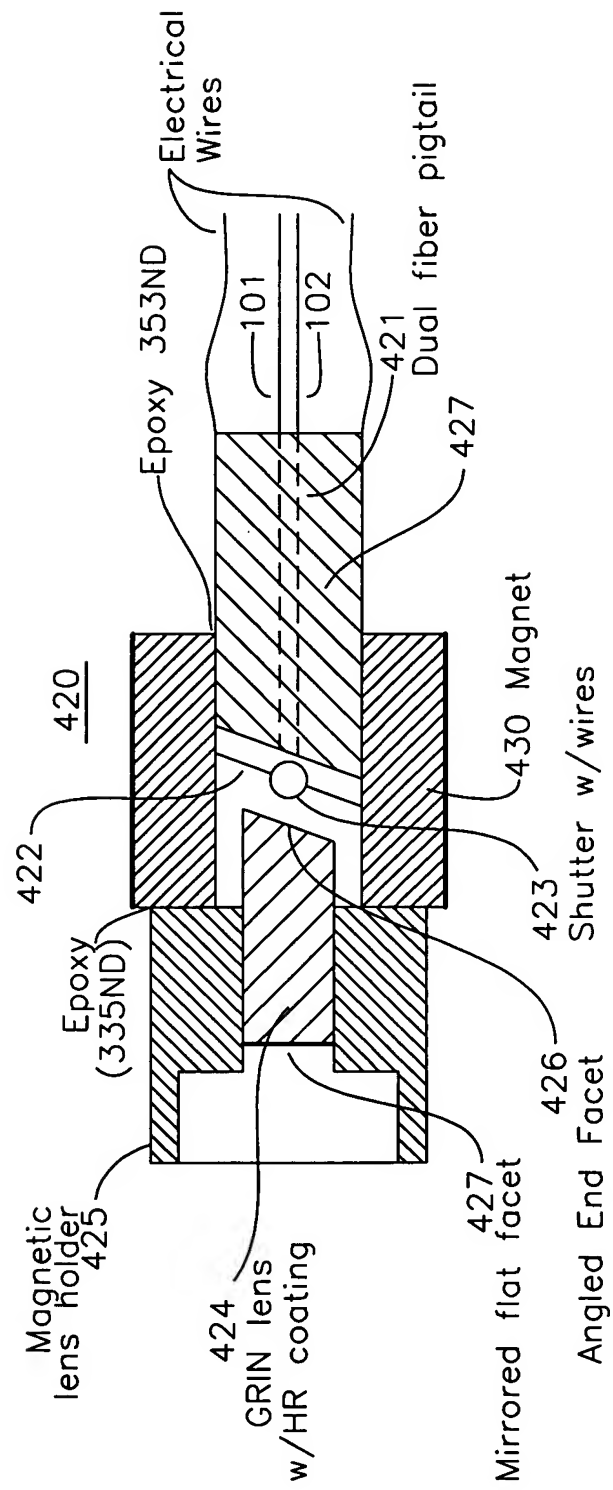


Figure 6A: VOA side view

Labels in Figure 6A:

- 421: Substrate
- 422: End Facet
- 423: Bottom surface
- 620: Gold Wire
- 630: Support Pad
- 640: Electrically Conductive Adhesive
- 650: Electrical Wires
- 101/102: Non-conductive adhesive
- B: Section line

A cross-sectional view of a fiber optic device 100. The device has a circular body 610 with a central core 101 and a cladding 102. A shutter 423 is positioned at the top of the core. A fiber facet 422 is located at the bottom of the core. A gold wire 620 is shown passing through the cladding 102 and connecting to the fiber facet 422. The device is labeled with 100, 101, 102, 422, 423, 610, and 620.